*Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Reflection Practice***

1. *Graph the following points and then reflect them across the x-axis.*

M (-2,1)

N (-2,3)

O (1,3)

P (1,1)

After reflecting the points what kind of observations can you make about the points? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. *Graph the following points and then reflect them across the y-axis.*

Q(5,5)

R(4,3)

S(3,5)

After reflecting the points what kind of observations can you make about the points? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Identify whether the point has been reflected over the x- or y-axis.

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| --- | --- | --- |
| **Point** | **Reflection** | **Axis** |
| T (3,-2) | T (-3, -2) |  |
| U (6,-2) | U (6, 2) |  |
| V (6,-6) | V (-6,-6) |  |
| W (3,-6) | W (-3, -6) |  |

1. How do you know if a point was reflected over the x-axis?

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1. What is the difference between reflecting over the x-axis and the y-axis? Are there any similarities? Explain.

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1. If (8, -5) was reflected over both axes, what is the new ordered pair? ­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What is the rule for crossing over both axes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Taking it a step further…

1. Graph the following coordinates and connect each

point:

A (-3, 2)

B (-6, 2)

C (-6,-2)

D (-3,-2)

Describe the figure shown. Reflect the object across the y-axis.

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